



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	C. J. CORCORAN <i>et al.</i>
				Art Unit	1656
				Examiner Name	William W. Moore
Sheet	1	of	4	Attorney Docket Number	031896-036000 (AM101066)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
WWM		U.S. - 4,419,446	12-06-1983	HOWLEY <i>et al.</i>	
WWM		U.S. - 4,816,567	03-28-1989	CABILLY <i>et al.</i>	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Kind Code ³ Country Code ³ Number ⁴ (if known)				
WWM		EP 0177343 A1	04-19-1985	BOCHNER <i>et al.</i>		
WWM		EP 123289 A2	10-31-1984	BRAKE <i>et al.</i>		
WWM		WO 86/00639 A1	01-30-1986	CLARK <i>et al.</i>		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WWM		AHMED, K. M. <i>et al.</i> , Association of an intronic polymorphism in the midkine (MK) gene with human sporadic colorectal cancer, <i>Cancer Lett.</i> , 180(2):159-163, 2002	
WWM		AHMED, K. M. <i>et al.</i> , Genetic variations of the midkine (MK) gene in human sporadic colorectal and gastric cancers, <i>Int. J. Mol. Med.</i> , 6(3):281-287, 2000	
WWM		ARIDOME, K. <i>et al.</i> , Truncated midkine as a marker of diagnosis and detection of nodal metastases in gastrointestinal carcinomas, <i>Br. J. Cancer</i> , 78(4):472-477, 1998	
WWM		BRANDT, K.D. and MANKIN, H.J., Pathogenesis of Osteoarthritis, in "Textbook of Rheumatology," Kelly, W.N., Harris, E.D., Ruddy, S., and Sledge, C.B. (eds), W.B. Saunders Company, Philadelphia, PA, pp. 1355-1373, 1993	
WWM		CLARKSON, T. <i>et al.</i> , Making antibody fragments using phage display libraries, <i>Nature</i> , 352:624-628, 1991	
WWM		FLANNERY, C.R. <i>et al.</i> , Identification of a stromelysin cleavage site within the interglobular domain of human aggrecan. Evidence for proteolysis at this site in vivo in human articular cartilage, <i>J. Biol. Chem.</i> , 267(2):1008-1014, 1992	
WWM		FOSANG, A.J. <i>et al.</i> , Neutrophil collagenase (MMP-8) cleaves at the aggrecanase site E373-A374 in the interglobular domain of cartilage aggrecan, <i>Biochem. J.</i> , 304 (Pt 2):347-351, 1994	
WWM		GETHING, M.J. and SAMBROOK, J., Cell-surface expression of influenza haemagglutinin from a cloned DNA copy of the RNA gene, <i>Nature</i> , 293(5834):620-625, 1981	

Examiner Signature	William W. Moore	Date Considered	18 January 2006
--------------------	------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	C. J. CORCORAN <i>et al.</i>
				Art Unit	1656
				Examiner Name	William W. Moore
Sheet	2	Of	4	Attorney Docket Number	031896-036000 (AM101066)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials ⁶	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
WWM		HARLOW, E. and LANE, D., Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York (1988)		
		HARRIS, W.J., Production of humanized monoclonal antibodies for <i>in vivo</i> imaging and therapy, <i>Biochem. Soc. Trans.</i> , 23(4):1035-1038, 1995		
		IKEMATSU, S. <i>et al.</i> , Serum midkine levels are increased in patients with various types of carcinomas, <i>Br. J. Cancer</i> , 83(6):701-706, 2000		
		KANAME, T. <i>et al.</i> , The expression of truncated MK in human tumors, <i>Biochem. Biophys. Res. Commun.</i> , 219(1):255-260, 1996		
		KADOMATSU, K., Recent progress of midkine research on cancer, <i>Nippon Rinsho</i> , 58(6):1337-1347, 2000		
		KOHLER, G. and MILSTEIN, C., Continuous cultures of fused cells secreting antibody of predefined specificity, <i>Nature</i> , 256(5517):495-497, 1975		
		LAEMMLI, U.K., Cleavage of structural proteins during the assembly of the head of bacteriophage T4, <i>Nature</i> , 227(5259):680-685, 1970		
		LEWIS, A.P. and CROWE, J.S., Generation of humanized monoclonal antibodies by 'best fit' framework selection and recombinant polymerase chain reaction, <i>Year Immunol.</i> , 7:110-118, 1993		
		Li, X. <i>et al.</i> , Differential protein profile in the ear-punched tissue of regeneration and non-regeneration strains of mice: a novel approach to explore the candidate genes for soft-tissue regeneration, <i>Biochim. Biophys. Acta</i> , 1524(2-3):102-9, 2000		
		Li, X. <i>et al.</i> , Analysis of gene expression in the wound repair/regeneration process, <i>Mamm. Genome</i> , 12(1):52-59, 2001		
		LOHMENDER, L.S. <i>et al.</i> , The structure of aggrecan fragments in human synovial fluid. Evidence that aggrecanase mediates cartilage degradation in inflammatory joint disease, joint injury, and osteoarthritis, <i>Arthritis Rheum.</i> , 36(9):1214-1222, 1993		
		MACLEAN, C.H. <i>et al.</i> , Costs attributable to osteoarthritis, <i>J. Rheumatol.</i> , 25(11):2213-2218, 1998		
		MANIATIS, T. <i>et al.</i> , Molecular Cloning (A Laboratory Manual), Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 387-389, 1982		
		MARKS, J.D., By-passing immunization. Human antibodies from V-gene libraries displayed on phage, <i>J. Mol. Biol.</i> , 222(3):581-597, 1991		
		MIYASHIRO, I. <i>et al.</i> , Expression of truncated midkine in human colorectal cancers, <i>Cancer Lett.</i> 106(2):287-291, 1996		
		MORRISON, S. L. and SCHLOM, J., Recombinant chimeric monoclonal antibodies, in S. A. Rosenberg (ed.), <i>Important Advances in Oncology 3</i> , Lippincott, Philadelphia, PA, 1990		
WWM		OAKLEY, B.R. <i>et al.</i> , A simplified ultrasensitive silver stain for detecting proteins in polyacrylamide gels, <i>Anal. Biochem.</i> , 105(2):361-363, 1980		

Examiner Signature	<i>William W. Moore</i>	Date Considered	18 January 2006
--------------------	-------------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>		
				Application Number		10/628,432
				Filing Date		July 29, 2003
				First Named Inventor		C. J. CORCORAN <i>et al.</i>
				Art Unit		1656
				Examiner Name		William W. Moore
Sheet	3	Of	4	Attorney Docket Number		031896-036000 (AM101066)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WWM		PAUL, S. <i>et al.</i> , Detection of truncated midkine in Wilms' tumor by a monoclonal antibody against human recombinant truncated midkine, <i>Cancer Lett.</i> , 163(2):245-251, 2001	
		PAUL, S. <i>et al.</i> , Molecular cloning, expression and purification of truncated midkine and its growth stimulatory activity on Wilms' tumor (G401) cells, <i>Cancer Lett.</i> , 163(2):239-244, 2001	
		PRESTA, L., Humanized Monoclonal Antibodies, in <i>Annual Reports in Medicinal Chemistry</i> , Academic Press, 1994	
		ROBERTS, S. <i>et al.</i> , Matrix turnover in human cartilage repair tissue in autologous chondrocyte implantation, <i>Arthritis Rheum.</i> , 44(11):2586-2598, 2001	
		SANDY, J.D. <i>et al.</i> , Analysis of the catabolism of aggrecan in cartilage explants by quantitation of peptides from the three globular domains, <i>J. Biol. Chem.</i> , 266(13):8198-8205, 1991	
		SANDY, J.D. <i>et al.</i> , The structure of aggrecan fragments in human synovial fluid. Evidence for the involvement in osteoarthritis of a novel proteinase which cleaves the Glu 373-Ala 374 bond of the interglobular domain. <i>J. Clin. Invest.</i> , 89(5):1512-1516, 1992	
		TOWBIN, H. <i>et al.</i> , Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: procedure and some applications, <i>Proc. Natl. Acad. Sci. U S A.</i> , 76(9):4350-4354, 1979	
		WINTER, G. and MILSTEIN, C., Man-made antibodies, <i>Nature</i> , 349(6307):293-299, 1991	
		International Search Report mailed March 2, 2004, corresponding with International Application PCT/US2003/23483, 4 pages	
		NCBI Annotation Project, XP_123829.midkine [Mus musc...[gi:20839708], National Center for Biotechnology Information, 8600 Rockville Pike, Bethesda, MD 20894, http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=protein&val=20839708 , 16-MAY-2002	
		Uehara, K. <i>et al.</i> , BAA01457.midkine [Homo sapiens...[gi:219929], National Center for Biotechnology Information, 8600 Rockville Pike, Bethesda, MD 20894, http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=protein&val=219929 , PRI 29-May-1992	
		JAX Mice MRL/MpJ Product Specification, Stock No. 000486, The Jackson Laboratory, Bar Harbor, ME, pages 1-5, March 19, 2002	
✓		JAX Mice B6.MRL-Tnfrsf6 tm Product Specification, Stock No. 000482, The Jackson Laboratory, Bar Harbor, ME, pages 1-4, March 19, 2002	
WWM		ZHANG, N. and DEUEL, T.F., Pleiotrophin and midkine, a family of mitogenic and angiogenic heparin-binding growth and differentiation factors, <i>Curr. Opin. Hematol.</i> 6(1):44-50, 1999.	

Examiner Signature	<i>William W. Moore</i>	Date Considered	18 January 2006
--------------------	-------------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/628,432
		Filing Date	July 29, 2003
		First Named Inventor	C. J. CORCORAN <i>et al.</i>
		Art Unit	1656
		Examiner Name	William W. Moore
Sheet 4	Of 4	Attorney Docket Number 031896-036000 (AM101066)	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WWM		HAYNES, H. and RUMSBY, M., The pleiotropin/midkine family of cytokines: role in glial-neuronal signaling, <i>Prog. Brain Res.</i> , 132:313-324, 2001	
WWM		MURAMATSU, T., Midkine (MK), the product of a retinoic acid responsive gene, and pleiotrophin constitute a new protein family regulating growth and differentiation, <i>Int. J. Dev. Biol.</i> , 37(1):183-188, 1993	

Examiner Signature	<i>William W. Moore</i>	Date Considered	18 January 2006
--------------------	-------------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	Christopher CORCORAN
				Art Unit	1614/1656
Examiner Name	Not yet assigned <i>MOORE</i>				
Sheet	1	of	1	Attorney Docket Number	031896-036000

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>Wm</i>		OI, ET AL., "IMMUNOGLOBULIN-PRODUCING HYBRID CELL LINES", SELECTED METHODS IN CELLULAR IMMUNOLOGY, 1980, PP. 351-372	

Examiner Signature	<i>William W. Moore</i>	Date Considered	<i>18 January 2006</i>
--------------------	-------------------------	-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	Christopher John CORCORAN et al.
				Art Unit	1651 / 1656
				Confirmation No.	5325
Sheet	1	of	3	Attorney Docket Number	031896-036000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
WOM		US-4,522,811	06/11/1985	Eppstein et al.	
WOM		US-4,554,101	11/19/1985	Hopp	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ Number ⁴ Kind Code ² (if known)				
WOM		EP 0 123 289	10/31/1984	Brake		Full
WOM		WO 86/00639	01/30/1986	Clark et al.		Full

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WOM		Cal et al., "Cloning, expression analysis, and structural characterization of seven novel human ADAMTSs, a family of metalloproteinases with disintegrin and thrombospondin-1 domains", Gene 283 (2002), pp. 49-62.	
WOM		Somerville et al., "Characterization of ADAMTS-9 and ADAMTS-20 as a Distinct ADAMTS Subfamily Related to <i>Caenorhabditis elegans</i> GON-1*", J. Biol. Chem. March 14, 2003, Vol. 278, No. 11, pp. 9503-9513.	
WOM		Kuno et al., "ADAMTS-1 Protein Anchors at the Extracellular Matrix through the Thrombospondin Type I Motifs and Its Spacing Region*", J. Biol. Chem., Vol. 273, No. 22, May 29, 1998, pp. 13912-13917.	
WOM		Tortorella et al., "Sites of Aggrecan Cleavage by Recombinant Human Aggrecanase-1 (ADAMTS-4)*", J. Biol. Chem., Vol. 275, No. 24, June 16, 2000, pp. 18566-18573.	
WOM		Tortorella et al., "Purification and Cloning of Aggrecanase-1: A Member of the ADAMTS Family of Proteins", SCIENCE, Vol. 284, June 4, 1999, pp. 1664-1666.	
WOM		Abbaszade et al., "Cloning and Characterization of ADAMTS11, an Aggrecanase from the ADAMTS Family*", J. Biol. Chem., Vol. 274, No. 3, August 13, 1999, pp. 23443-23450.	
WOM		Matthews et al., "Brain-enriched Hyaluronan Binding (BEHAB)/Brevican Cleavage in a Glioma Cell Line Is Mediated by a Disintegrin and Metalloproteinase with Thrombospondin Motifs (ADAMTS) Family Member*", J. Biol. Chem., Vol. 275, No. 30, July 28, 2000, pp. 22695-22703.	

Examiner Signature	<i>Matthew W. Miron</i>	Date Considered	18 January 2006
-----------------------	-------------------------	--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	Christopher John CORCORAN et al.
				Art Unit	1651 / 656
Examiner Name	5325				
Sheet	2	of	3	Attorney Docket Number	031896-036000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
WMM		Delagrave et al., "Recursive ensemble mutagenesis", Protein Engineering, Vol. 6, No. 3, 1993, pp. 327-331.		
		Hughes et al., "Monoclonal antibodies that specifically recognize neoepitope sequences generated by 'aggrecanase' and matrix metalloproteinase cleavage of aggrecan: application to catabolism <i>in situ</i> and <i>in vitro</i> ", Biochem J., 1995, pp. 799-804.		
		Mercuri et al., "Recombinant Human Aggrecan G1-G2 Exhibits Native Binding Properties and Substrate Specificity for Matrix Metalloproteinases and Aggrecanase**", J. Biol. Chem., Vol. 274, No. 45, November 5, 1999, pp. 32387-32395.		
		Miller et al., "An Insect Baculovirus Host-Vector System For High-Level Expression of Foreign Genes", Genetic Engineering, Vol. 8, (Plenum Press 1986), pp. 277-287.		
		Caterson et al., "Mechanisms involved in cartilage proteoglycan catabolism", Matrix Biology, Vol. 19, (2000), pp. 333-344.		
		Kashiwagi et al., "TIMP-3 Is a Potent Inhibitor of Aggrecanase 1 (ADAM-TS4) and Aggrecanase 2 (ADAM-TS5)*, J. Biol. Chem., Vol. 276, No. 16, April 20, 2001, pp. 12501-12504.		
		Hashimoto et al., "Inhibition of ADAMTS4 (aggrecanase-1) by tissue inhibitors of metalloproteinases (TIMP-1, 2, 3 and 4), FEBS Letters 494, (2001) pp. 192-195.		
		Little et al., "Cyclosporin A Inhibition of Aggrecanase-Mediated Proteoglycan Catabolism in Articular Cartilage", ARTHRITIS & RHEUMATISM, Vol. 46, No. 1, January 2002, pp. 124-129.		
		Rodríguez-Manzaneque et al., "ADAMTS1 cleaves aggrecan at multiple sites and is differentially inhibited by metalloproteinase inhibitors", Biochemical and Biophysical Research Communications 293 (2002), pp. 501-508.		
		Peppard et al., "Development of a High-Throughput Screening Assay for Inhibitors of Aggrecan Cleavage Using Luminescent Oxygen Channeling (AlphaScreen™), Society for Biomolecular Screening, (2003) pp. 149-156.		
		Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters", Proc. Natl. Acad. Sci. USA, Vol. 89, June 1992, pp. 5547-5551.		

Examiner Signature	<i>William Moore</i>	Date Considered	18 January 2006
-----------------------	----------------------	--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	Christopher John CORCORAN et al.
				Art Unit	1651 1656
Examiner Name	5325				
Sheet	3	of	3	Attorney Docket Number	031896-036000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
Wom		Urlaub et al., "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity", Proc. Ntl. Acad. Sci. USA, Vol. 77, No. 7, July 1980, pp. 4216-4220.		
↑		Gill et al., "Calculation of Protein Extinction Coefficients from Amino Acid Sequence Data", Analytical Biochemistry 182, (1989) pp. 319-326.		
		Flannery et al., "Autocatalytic Cleavage of ADAMTS-4 (Aggrecanase-1) Reveals Multiple Blycosaminoglycan-binding Sites*", J. Biol. Chem., Vol. 277, No. 45, November 8, 2002, pp. 42775-42780.		
		Okayama et al., "High-Efficiency Cloning of Full-Length cDNA", Molecular and Cellular Biology, Vol. 2, No. 2, February 1982, pp. 161-170.		
		Gough et al., "Structure and expression of the mRNA for murine granulocyte-macrophage colony stimulating factor", EMBO Journal, Vol. 4, No. 3, 1985, pp. 645-653.		
		Wong et al., "Human GM-CSF: Molecular Cloning of the Complementary DNA and Purification of the Natural and Recombinant Proteins", SCIENCE, Vol. 228, May 17, 1985, pp. 810-815.		
		Kaufman, "Identification of the components necessary for adenovirus translational control and their utilization in cDNA expression vectors", Proc. Nat. Acad. Sci. USA, Vol. 82, February 1985, pp. 689-693.		
		Morinaga et al., "Improvement of Oligonucleotide-Directed Site-Specific Mutagenesis Using Double-Stranded Plasmid DNA", BIO/TECHNOLOGY, July 1984, pp. 636-639.		
		Jang et al., "Initiation of Protein Synthesis by Internal Entry of Ribosomes into the 5' Nontranslated Region of Encephalomyocarditis Virus RNA In Vivo", J. Virology, Vol. 63, No. 4, April 1989, pp. 1651-1660.		
		Taniguchi et al., "Expression of the human fibroblast interferon gene in <i>Escherichia coli</i> ", Proc. Natl. Acad. Sci. USA, Vol. 77, No. 9, September 1980, pp. 5230-5233		
		Kaufman et al., "Amplification and Expression of Sequences Cotransfected with a Modular Dihydrofolate Reductase Complementary DNA Gene", J. Mol. Biol. (1982) 159, pp. 601-621.		
↓		Kaufman et al., "Construction of a Modular Dihydrofolate Reductase cDNA Gene: Analysis of Signals Utilized for Efficient Expression", Molecular and Cellular Biology, Vol. 2, No. 11, November 1982, pp. 1304-1319.		
Wom		Littlefield et al., "Selection of Hybrids from Matings of Fibroblasts in vitro and Their Presumed Recombinants", August 14, 1964, Vol. 145, pp. 709.		

Examiner Signature	<i>William W. Kwon</i>	Date Considered	18 January 2006
--------------------	------------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	C. J. CORCORAN <i>et al.</i>
				Art Unit	1656
				Examiner Name	William W. Moore
Sheet	1	of	1	Attorney Docket Number	031896-036000 (AM101066)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			

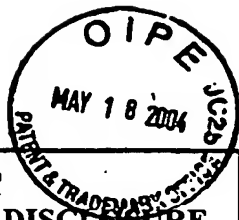
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Kind Code ³ Country Code ³ Number ⁴ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Applied		International Search Report for PCT/US2003/23484, mailed March 2, 2004, 4 pages	

Examiner Signature	<i>William W. Moore</i>	Date Considered	<i>18 January 2006</i>
-----------------------	-------------------------	--------------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/628,432
				Filing Date	July 29, 2003
				First Named Inventor	Christopher CORCORAN
				Art Unit	1614 / 656
				Examiner Name	Not yet assigned <i>MOORE</i>
Sheet	1	of	1	Attorney Docket Number	031896-036000

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
<i>William Moore</i>		US-2002/0090373 A1	07-11-2002	Buckbinder et al.	
		US-2003/0073116 A1	04-17-2003	Ginsburg et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
<i>William Moore</i>		WO 00/53774 A3	09-14-2000	Kelner et al.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³

Examiner Signature	<i>William W. Moore</i>	Date Considered	<i>18 January 2006</i>
--------------------	-------------------------	-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.